

REMARKS

Rejection of claims 1, 5, 6, 8, 13, 17, 18, 20, 25-28, 32, 33 and 35 under 35 U.S.C. §103(a) as being unpatentable over APA in view of Golde

The Examiner rejected claims 1, 5, 6, 8, 13, 17, 18, 20, 25-28, 32, 33 and 35 under 35 U.S.C. §103(a) as being unpatentable over APA in view of Golde. Each of these claims is addressed below.

Claims 1, 13 and 26

Claims 1, 13, and 26 have been amended herein to recite a catalog of allowed classes that includes all classes that are authorized to access at least one protected class, and determining whether the class being loaded is included in the catalog of allowed classes. In the rejection of claims 18 and 25, the Examiner states that Golde teaches a catalog of allowed classes, citing col. 9 lines 40-41 of Golde. This cited language in Golde states: “The virtual machine software 16 must also insure, during linkage, that the type T and the method m are accessible.” Determining whether a type and method are accessible does not read on the catalog of allowed classes in the claims. The fact that a type and method is accessible does not necessarily mean that the class is an allowed class. In fact, a clever programmer that wanted to access protected Java code could do so with the Golde system by simply packaging new classes that they create with the protected Java code. There is no safeguard in Golde to assure that the classes in a package are in a catalog of allowed classes. The only check in Golde makes sure the type and method exist. This is a simple linker function to provide a link-time error if the type or method do not exist in the same package. It does not read on checking a catalog of allowed classes to make sure the class being loaded is an allowed class. In Golde, new classes that should not access system-level code could be packaged with classes that include system-level code, and the new classes would thus obtain access to the system-level code.

The claimed invention, in contrast, includes a catalog of allowed classes, and thus allows only classes to be loaded that are in the catalog of allowed classes. Applicants respectfully assert that the catalog of allowed classes in the claims is not taught or suggested in Golde. As a result, claims 1, 13 and 26 are allowable over the combination of APA and Golde.

Claims 5, 6, 8, 17, 18, 20, 27, 28, 32, 33 and 35

Each of claims 5, 6, 8, 17, 18, 20, 27, 28, 32, 33 and 35 depends on claims that are allowable for the reasons given above. As a result, each of claims 5, 6, 8, 17, 18, 20, 27, 28, 32, 33 and 35 is allowable as depending on an allowable independent claim.

Claim 25

Claim 25 was withdrawn due to a restriction requirement. However, in the pending office action the Examiner addresses claim 25 on its merits. While the Examiner did not expressly remove the restriction requirement in the pending office action, the Examiner's rejection of claim 25 on its merits, the statement at the beginning of the office action that claims 1-41 are pending for examination, and the statement on the Office Action Summary that claims 1-41 are pending without listing claim 25 as being withdrawn from consideration, all appear to remove the previous restriction requirement. As a result, the rejection of claim 25 is addressed here.

Claim 25 includes the step of "creating a catalog of allowable classes, the catalog including all protected classes". In rejecting claim 25, the Examiner cites to the JVM of Golde insuring accessibility of type T and method m as allegedly reading on the catalog of allowable classes. This rejection is addressed in detail above with respect to claim 1. For the many reasons given above for claim 1, the catalog of allowable classes in claim 25 is not taught or suggested by Golde. As a result, claim 25 is allowable over the

combination of APA and Golde. Applicants respectfully request reconsideration of the Examiner's rejection of claim 25 under 35 U.S.C. §103(a).

Rejection of claims 2, 14 and 29 under 35 U.S.C. §103(a) as being unpatentable over APA in view of Gold and Briggs

The Examiner rejected claims 2, 14 and 29 under 35 U.S.C. §103(a) as being unpatentable over APA in view of Gold and Briggs. Claim 2 depends on claim 1, which is allowable for the reasons given above. Claim 14 depends on claim 13, which is allowable for the reasons given above. Claim 29 depends on claim 26, which is allowable for the reasons given above. As a result, claims 2, 14 and 29 are allowable as depending on allowable independent claims.

Rejection of claims 9-11, 21-23, and 36-38 under 35 U.S.C. §103(a) as being unpatentable over APA in view of Gold and Fresko

The Examiner rejected claims 9-11, 21-23, and 36-38 under 35 U.S.C. §103(a) as being unpatentable over APA in view of Gold and Fresko. Claims 9-11 depend on claim 1, which is allowable for the reasons given above. Claims 21-23 depend on claim 13, which is allowable for the reasons given above. Claims 36-38 depend on claim 26, which is allowable for the reasons given above. As a result, claims 9-11, 21-23, and 36-38 are allowable as depending on allowable independent claims.

Allowance of claims 12, 14 and 39-41

The Examiner allowed claims 12, 14 and 39-41. Applicants thank the Examiner for the allowance of these claims.

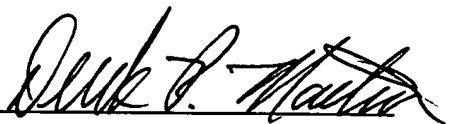
Objection to claims 3, 4, 7, 15, 16, 19, 30, 31 and 34

The Examiner objected to claims 3, 4, 7, 15, 16, 19, 30, 31 and 34 as being dependent upon rejected base claims, but stated these claims would be allowable if properly rewritten in independent form. Claims 3, 4, 15, 16, 30 and 31 have been properly rewritten in independent form, and are therefore allowable. Claims 7, 19 and 34 have been amended herein to depend on claims 1, 13 and 26, respectively, which are allowable independent claims for the reasons given above. As a result, claims 7, 19 and 34 are allowable as depending on allowable independent claims.

Conclusion

In summary, none of the cited prior art, either alone or in combination, teach, support, or suggest the unique combination of features in applicant's claims presently on file. Therefore, applicant respectfully asserts that all of applicant's claims are allowable. Such allowance at an early date is respectfully requested. The Examiner is invited to telephone the undersigned if this would in any way advance the prosecution of this case.

Respectfully submitted,

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